

| Project Title | Funding | Strategic Plan Objective | Institution |
|---|-------------|--------------------------|---|
| Supplement to NIH ACE Network grant: "A longitudinal MRI study of infants at risk for autism" | \$270,000 | Q1.L.A | University of North Carolina at Chapel Hill |
| ACE Network: A longitudinal MRI study of infants at risk for autism | \$3,317,464 | Q1.L.A | University of North Carolina at Chapel Hill |
| Sensory experiences in children with autism | \$486,700 | Q1.Other | University of North Carolina at Chapel Hill |
| Sensory experiences in children with autism (supplement) | \$315,122 | Q1.Other | University of North Carolina at Chapel Hill |
| Emotion-modulated psychophysiology of autism spectrum disorders | \$258,981 | Q1.Other | University of North Carolina at Chapel Hill |
| A longitudinal MRI study of brain development in fragile X syndrome | \$622,099 | Q2.S.D | University of North Carolina at Chapel Hill |
| Regulation of 22q11 genes in embryonic and adult forebrain | \$305,105 | Q2.S.D | University of North Carolina at Chapel Hill |
| Sex differences in early brain development: Brain development in Turner syndrome | \$150,049 | Q2.S.D | University of North Carolina at Chapel Hill |
| An investigation of neuropsychological endophenotypes in autism and fragile X | \$73,938 | Q2.S.D | University of North Carolina at Chapel Hill |
| Neurologin regulation of central GABAergic synapses | \$78,000 | Q2.S.D | Duke University |
| Neural circuitry of social cognition in the broad autism phenotype | \$562,311 | Q2.S.G | University of North Carolina at Chapel Hill |
| MRI study of brain development in school age children with autism | \$149,864 | Q2.L.A | University of North Carolina at Chapel Hill |
| Pragmatic skills of young males and females with fragile X syndrome | \$517,519 | Q2.L.A | University of North Carolina at Chapel Hill |
| Functional neuroimaging of psychopharmacologic intervention for autism | \$155,901 | Q2.L.B | University of North Carolina at Chapel Hill |
| Wiring the brain: From genetic to neuronal networks | \$13,000 | Q2.Other | University of North Carolina at Chapel Hill |
| Restricted and repetitive behaviors in young children with autism (supplement) | \$23,131 | Q2.Other | Duke University |
| Imaging signal transduction in single dendritic spines | \$390,000 | Q2.Other | Duke University |
| Optogenetic analysis of circuits for vocal recognition | \$156,000 | Q2.Other | Duke University |
| Multisensory processing in autism | \$104,607 | Q2.Other | University of North Carolina at Chapel Hill |
| NrCAM, a candidate susceptibility gene for visual processing deficits in autism | \$127,500 | Q2.Other | University of North Carolina at Chapel Hill |
| Whole-genome sequencing for rare highly penetrant gene variants in schizophrenia | \$1,671,247 | Q3.S.C | Duke University |
| Immunopathogenesis in autism: Regulatory T cells and autoimmunity in neurodevelopment | \$106,609 | Q3.S.F | East Carolina University |
| Clinical and Bioinformatics Core (supplement) | \$39,796 | Q3.L.B | Duke University |
| Molecular Analysis Core (supplement) | \$17,853 | Q3.L.B | Duke University |
| Genetic studies in autism on chromosome 7 (supplement) | \$17,887 | Q3.L.B | Duke University |

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| A molecular genetic study of autism and related phenotypes in extended pedigrees | \$483,824 | Q3.L.B | University of North Carolina at Chapel Hill |
| Neurogenetics of candidate systems in autism (supplement) | \$23,730 | Q3.L.B | Duke University |
| Centers for Autism and Developmental Disabilities Research and Epidemiology (CADDRE) - North Carolina | \$1,209,900 | Q3.L.D | University of North Carolina at Chapel Hill |
| Allosteric potentiators of the oxytocin system for the control of social motivation | \$25,000 | Q3.Other | University of North Carolina at Chapel Hill |
| Characterization of a novel mouse model of restricted repetitive behaviors | \$184,844 | Q4.S.B | University of North Carolina at Chapel Hill |
| Neuropharmacology of motivation and reinforcement in mouse models of autistic spectrum disorders | \$0 | Q4.S.B | University of North Carolina School of Medicine |
| Neurogenetic model of social behavior heterogeneity in autism spectrum disorders | \$821,227 | Q4.S.B | Duke University |
| Role of UBE3A in neocortical plasticity and function | \$490,000 | Q4.S.B | Duke University |
| Synaptic and circuitry mechanisms of repetitive behaviors in autism | \$400,000 | Q4.S.B | Massachusetts Institute of Technology |
| Early intervention for children screened positive for autism by the First Year Inventory | \$199,984 | Q4.S.F | University of North Carolina at Chapel Hill |
| Social cognition and interaction training for adolescents with high functioning autism | \$0 | Q4.S.F | University of North Carolina at Chapel Hill |
| The effectiveness of special education services for children with autism: A national longitudinal study | \$93,533 | Q4.Other | University of North Carolina at Chapel Hill |
| Comparison of two comprehensive treatment models for preschool-aged children with autism spectrum disorders and their families | \$967,343 | Q4.Other | University of North Carolina at Chapel Hill |
| Social communication and symbolic play intervention for preschoolers with autism | \$574,966 | Q4.Other | University of North Carolina at Chapel Hill |
| Novel strategies to manipulate Ube3a expression for the treatment of autism and Angelman syndrome | \$111,000 | Q4.Other | University of North Carolina at Chapel Hill |
| Autism and Developmental Disabilities Monitoring (ADDM) network - North Carolina | \$349,926 | Q7.I | University of North Carolina at Chapel Hill |
| Behavioral Measurement Core | \$512,058 | Other | University of North Carolina at Chapel Hill |
| Administrative Core | \$512,062 | Other | University of North Carolina at Chapel Hill |

